
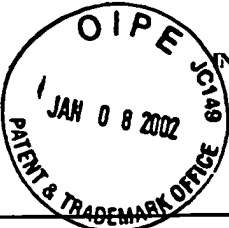


Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. RTN-144PUS		APPLICATION NO. 09/931,593								
 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>				APPLICANT James T. Hanson, et al.										
				FILING DATE August 16, 2001		GROUP A-4 2622 3662								
U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*	
<i>Dej</i>		5	0	0	8	6	7	8	4/16/91	Herman	—	—		
<i>Dej</i>		5	3	2	5	0	9	6	6/28/94	Pakett	—	—		
<i>Dej</i>		5	5	1	7	1	9	6	5/14/96	Pakett et al.	—	—		
<i>Dej</i>		5	6	7	5	3	4	5	10/7/97	Pozgay et al.	—	—		
<i>Dej</i>		5	9	2	9	8	0	2	7/27/99	Russell et al.	—	—		
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<i>Dej</i>		5	9	9	9	1	1	9	12/7/99	Carnes et al.	—	—		
FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)														
<i>Dej</i>		Barnett, Roy I. et al. "A Feasibility Study of Stripline-Fed Slots Arranged as a Planar Array with Circular Grid and Circular Boundary", IEEE, 1989, pp. 1510-1515.												
<i>Dej</i>		Bhattacharyya, Arum, et al. "Analysis of Stripline-Fed Slot-Coupled Patch Antennas with Vias for Parallel-Plate Mode Suppression", IEEE Transactions on Antennas and Propagation, Vol. 46, No. 4, April 1998, pp. 538-545.												
<i>Dej</i>		Clouston E.N. et al. "A Triplate Stripline Slot Antenna Developed for Time-Domain Measurements on Phased Arrays", 1998, pp. 312-315.												
<i>Dej</i>		Das, Nirod K. et al. "Multiport Scattering Analysis of General Multilayered Printed Antennas Fed by Multiple Feed Ports: Part II-Applications", IEEE, 1992, pp. 482-491.												

BERNARR E. GREGORY
PRIMARY EXAMINER


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 <p>INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)</p>				APPLICANT James T. Hanson, et al.			
				FILING DATE August 16, 2001		GROUP A-U. 2622 3162	

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
<i>Dej</i>		5	2	4	9	1	5	7	9/28/93	Taylor	—	—	RECEIVED JAN 15 2002 <i>Technology Center 2600</i>
<i>Dej</i>		5	3	9	6	2	5	2	3/7/95	Kelly	—	—	
<i>Dej</i>		5	6	1	3	0	3	9	3/18/97	Wang et al.	—	—	
<i>Dej</i>		5	6	1	9	2	0	8	4/8/97	Tamatsu et al.	—	—	
<i>Dej</i>		5	6	2	5	3	6	2	4/29/97	Richardson	—	—	
<i>Dej</i>		5	6	3	3	6	4	2	5/27/97	Hoss et al.	—	—	
<i>Dej</i>		R	E	3	4	7	7	3	11/1/94	Dombrowski	—	—	
<i>Dej</i>		5	3	9	4	2	9	2	2/28/95	Hayashida	—	—	
<i>Dej</i>		6	1	3	0	6	0	7	10/10/00	McClanahan et al.	—	—	

FOREIGN PATENT DOCUMENTS														
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
														YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

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Form PTO-1449 (Rev. 8-83)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. RTN-144PUS	APPLICATION NO. 09/931,593
		INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	
		APPLICANT James T. Hanson, et al.	FILING DATE August 16, 2001
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<i>Dy</i>	Katehi, Pisti B. et al. "Design of a Low Sidelobe Level Stripline Fed Slot Array Covered by a Dielectric Layer", IEEE, 1989, pp. 978-981.	<i>Dy</i>	Kimura, Yuichi et al. "Alternating Phase Single-Layer Slotted Waveguide Arrays at 25GHz Band", IEEE, 1999, pp. 145.
<i>Dy</i>	Muir, A., "Analysis of Stripline/Slot Transition", Electronics Letter, Vol. 26 No. 15, pp.1160-1161.	<i>Dy</i>	Sakaibara, Kunio et al. "A Single Slotted Waveguide Array for 22GHz Band Radio System Between Mobile Base Station", IEEE, 1994, pp. 356-359.
<i>Dy</i>	Sangster, Alan et al. "A Moment Method Analysis of a Transverse Slot Fed by a Boxed Stripline", (No Date) pp. 146-149.	<i>Bej</i>	Schaubert, Daniel H. et al. "Moment Method Analysis of Infinite Stripline-Fed Tapered Slot Antenna Arrays with a Ground Plane", IEEE Transactions on Antennas and Propagation, Vol. 42, No. 8, August 1994, pp.1161
<i>Dy</i>	Smith, Peter "Transverse Slot Radiator in the Ground-Plane of Enclosed Stripline", 10 th International Conference on Antennas and Propagation 14.17, April 1997, 5 pages.	<i>Dy</i>	Theron, Isak Petrus et al. "On Slotted Waveguide Antenna Design at Ka-Band", IEEE Trans. Vol. 32, October 1984, pp. 1425-426.
Examiner	<i>GREGORY</i> Date Considered: <i>8/19/04</i> *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.		

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PRIMARY EXAMINER

Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. RTN-144PUS		APPLICATION NO. 09/931,593	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					APPLICANT James T. Hanson, et al.		COPY OF PAPERS ORIGINALLY FILED	
					FILING DATE August 16, 2001		GROUP A-4 2622 3662	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
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<i>dy</i>		5 6 8 9 2 6 4	11/18/97	Ishikawa et al.	—	—	
<i>dy</i>		5 9 2 6 1 2 6	7/20/99	Engelman	—	—	
<i>dy</i>		5 9 9 9 8 7 4	12/7/99	Winner et al.	—	—	


FOREIGN PATENT DOCUMENTS

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							YES	NO
<i>dy</i>		198 55 400	12/1/98	DE GERMANY	A1	—		X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>dy</i>	International Search Report of PCT Application No. PCT/US01/42065 dated May 14, 2002.

Examiner	<i>GREGORY</i> Date Considered: <i>2/19/04</i>	<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.</p>
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Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <div style="text-align: center;">  </div>		ATTY. DOCKET NO. RTN-144PUS		APPLICATION NO. 09/931,593	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				APPLICANT James T. Hanson, et al.		COPY OF PAPERS ORIGINALLY FILED	
FILING DATE August 16, 2001				GROUP A4. 2622 3662			

U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*						
<i>Dej</i> <i>Dej</i>	5 5 1 7 1 9 7	5/14/96	Algeo et al.	—	—							
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FOREIGN PATENT DOCUMENTS								
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION			
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<i>Dej</i> 0 484 995	5/13/92	EPO	A2	—	X			
<i>Dej</i> 0 784 213	1/13/96	EPO	A2	—		X		
<i>Dej</i> 0 982 173	3/1/00	EPO	A2	—	X			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
<i>Dej</i>	International Search Report of PCT Application No. PCT/US01/25594 dated May 7, 2002.
Examiner	<i>GREGORY</i> Date Considered: <i>2/19/04</i> <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.</small>

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Form PTO-1449 (Rev. 8-83)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. RTN-144PUS		APPLICATION NO. 09/931,593	
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				FILING DATE August 16, 2001		GROUP A, U, 2622 3662	

U.S. PATENT DOCUMENTS												
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<i>dy</i>	5 4 5 1 9 6 0	9/19/95	Kastella et al.	—	—							
<i>dy</i>	5 9 2 9 8 0 2	7/27/99	Russell et al.	—	—							
<i>dy</i>	5 9 9 9 0 9 2	12/7/99	Smith et al.	—	—							
<i>dy</i>	6 0 3 7 8 6 0	3/14/00	Zander et al.	—	—							
<i>dy</i>	6 0 6 9 5 8 1	5/30/00	Bell et al.	—	—							

FOREIGN PATENT DOCUMENTS									
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION				
2 709 834	9/10/93	FRANCE	A1	—	YES	NO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)	
<i>dy</i>	International Search Report of PCT Application No. PCT/US01/25638 dated May 7, 2002.
Examiner	<i>GREGORY</i> Date Considered: <i>2/19/04</i> <small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.</small>

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Page 1 of 1

Form PTO-1449
(Rev. 8-83)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
RTN-144PUS

APPLICATION NO.
09/931,593

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

APPLICANT
James T. Hanson, et al.

FILING DATE
August 16, 2001

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE*
JCT	4 0 6 3 2 4 3	12/13/77	Anderson et al.	—	—	
BUS	4 2 0 9 7 9 1	6/24/80	Gerst et al.	—	—	
JCT	4 2 4 6 5 8 5	1/20/81	Mailloux	—	—	
BUS	4 4 1 4 5 5 0	11/8/83	Tresselt	—	—	
JCT	4 5 0 7 6 6 2	3/26/85	Rothenberg et al.	—	—	
JCT	4 9 6 2 3 8 3	10/9/90	Tresselt	—	—	
JCT	6 0 9 7 9 3 1	8/1/00	Weiss et al.	—	—	
JCT	6 1 9 8 4 3 4	3/6/01	Martek et al.	—	—	
JCT	6 2 5 2 5 6 0	6/26/01	Tanaka et al.	—	—	

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

JCT	International Search Report of PCT Application No. PCT/US01/25676 dated December 21, 2001.
Examiner	GREGORY Date Considered: 2/19/04

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Application No.: 09/931,593
Filed On: August 16, 2001
Group Art Unit: 2622
Atty. Docket No.: RTN-144PUS

Atty. Docket No.	Application Nos.	Filed
RTN-108AUS	09/931,631	2001-08-16, ISSUED
RTN-142PUS	09/931,633, 6492949	2001-08-16, ISSUED
RTN-143PUS	09/930,869, 6572269	2001-08-16, ISSUED
RTN-113AUS	09/949,295, 6675094	2001-09-07, ISSUED
RTN-124PUS	09/931,632, 6443512	2001-08-16, ISSUED
RTN-145PUS	09/931,636	2001-08-16, ISSUED
RTN-146PUS	09/930,868, 6489927	2001-08-16, ISSUED
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RTN-148PUS	09/930,867, 6683557	2001-08-16, ISSUED
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Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 19332
Application ID: 09931593
Title of Invention: VIDEO AMPLIFIER FOR A RADAR
RECEIVER
First Named Inventor: James Hanson
Domestic/Foreign Application: Domestic Application
Filing Date: 2001-08-16
Effective Receipt Date: 2002-10-30
Submission Type: Information Disclosure Statement
Filing Type: null
Confirmation Number: 2208
Attorney Docket Number: RTN-144PUS
Digital Certificate Holder: cn=Robert V. Klauzinski, ou=Registered Attorneys, ou=Patent and
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Submission Type: Information
Disclosure Statement

Application Number: 09/931,593
Attorney Docket Number: RTN-144PUS

VIDEO AMPLIFIER FOR A RADAR RECEIVER

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First Named Inventor: James T. Hanson

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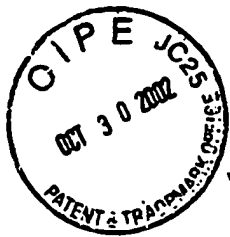
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Comments:

Electronic Information Disclosure Statement



VIDEO AMPLIFIER FOR A RADAR RECEIVER

Application:



09/931593

Confirmation: 2208

Applicant(s): James Hanson

Docket

RTN-144PUS

Number:

Group Art Unit: 2622

Examiner:

search string:

(3974501 or 4409899 or 4718558 or 5138321 or 5252981 or 5414643 or 5715044 or 5719580 or 6052080 or 6307622).pn.

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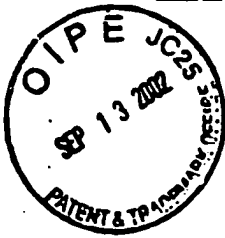
Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
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1/17	P02	4409899	1983-10-18		Owen et al.	—	—
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<i>dy</i>	P09	6052080	2000-04-18		Magori	—
<i>dy</i>	P10	6307622	2001-10-23		Lewis	—

Signature

Examiner Name	Date
<i>Amr Emd</i>	<i>2/19/04</i>



Electronic Information Disclosure Statement

VIDEO AMPLIFIER FOR A RADAR RECEIVER

Application: 
09/931593

Confirmation: 2208

Applicant(s): James Hanson

Docket
Number: RTN-144PUS

Group Art
Unit: 2622

Examiner:

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search string: (5572428 or 5587908 or 5627510 or 5670963 or 5678650 or 5731778 or 5734344 or 5757074 or 5767793 or 5771007 or 5777563 or 5805103 or 5808561 or 5818355 or 5839534 or 5905472 or 5923280 or 5938714 or 5940011 or 5949366 or 5977904 or 5978736 or 5999092 or 6018308 or 6026353 or 6028548 or 6037894 or 6040796 or 6043772 or 6049257 or 6057797 or 6069581 or 6070682 or 6075492 or 6076622 or 6085151 or 6087975 or 6097331 or 6127965 or 6147637 or 6147638 or 6154168 or 6161073 or 6163252 or 6184819 or 6188950 or 6198426 or 6215438 or 6225918 or 6232910).pn.

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Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
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P32	6069581	2000-05-30		Bell et al.	—	—
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P43	6154168	2000-11-28		Egawa et al.	—	—
P44	6161073	2000-12-12		Tange et al.	—	—
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P47	6188950	2001-02-13		Tsutsumi et al.	—	—
P48	6198426	2001-03-06		Tamatsu et al.	—	—
P49	6215438	2001-04-10		Oswald, et al.	—	—
P50	6225918	2001-05-01		Kam	—	—
P51	6232910	2001-05-15		Bell et al.	—	—

Signature

Examiner Name	Date
<i>B. E. ...</i>	2/19/04

Electronic Information Disclosure Statement



VIDEO AMPLIFIER FOR A RADAR RECEIVER

Application: 
09/931593

Confirmation: 2208

Applicant(s): James Hanson

Docket
Number: RTN-144PUS

Group Art
Unit: 2622

Examiner:

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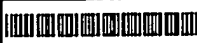





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search string: (6233516 or 6255984 or 6256573 or 6259395 or 6265990 or 6269298 or 6278400 or 6317073 or 6317075 or 6317090 or 6327530 or 6320547 or 6329952 or 6330507 or 6335705 or 6345227 or 6351702 or 6366235 or 4349823 or 5235316 or 5339075 or 5521579 or 5583495 or 5654715 or 5712640 or 5808728 or 5717399 or 3697985 or 5325097 or 5508706).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
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Signature

Ben Lu Lu

2/19/04

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search string: (3935559 or 3940696 or 3978481 or 4003049 or 4008473 or 4008475 or 4035797 or 4079377 or 4143370 or 4217582 or 4308536 or 4348675 or 4543577 or 4549181 or 4622636 or 4673937 or 4703429 or 4901083 or 4970653 or 4994809 or 5008678 or 5014200 or 5023617 or 5045856 or 5115245 or 5134411 or 5173859 or 5189426 or 5249027 or 5249157 or 5268692 or 5280288 or 5285207 or 5302956 or 5315303 or 5341144 or 5351044 or 5390118 or 5400864 or 5454442 or 5467072 or 5467283 or 5471214 or 5481268 or 5483453 or 5485155 or 5485159 or 5486832 or 5493302 or 5495252).pn.

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Signature

Examiner Name	Date
<i>B. Earl</i>	<i>2/12/04</i>